

Notice of Allowability

Application No.

10/632,476

Applicant(s)

LEE ET AL.

Examiner

Edwin A. León

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Interview Summary of 1/7/04.
2. ☒ The allowed claim(s) is/are 1.
3. ☒ The drawings filed on 01 August 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. <u>010703</u> |
| 3 <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. <u>080103</u> | 7 <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Wei Te Chung on January 7, 2004.

The application has been amended as follows:

On Claim 1, Line 8, after "signals" add --each standard SATA cable further comprises four grounding wires, and two of the grounding wires are neighboring and electrically connected to same contact, all the plurality of standard SATA cables and single wires are bent in a right angle at positions adjacent to connections between the contacts and the standard SATA cables and single wires, a right angle cover encloses a mounting portion of the housing and the connections between the contacts and the standard SATA cables and the single wires, the housing comprises a mating portion opposite to the mounting portion, a plurality of passageways is defined in the housing from a rear face of the mounting portion to the mating portion, an L-shaped receiving space is defined in the mating portion and communicates with the passageways, and the contacts are retained in the passageways and exposed in the L-shaped receiving

space, a boot is utilized to package the standard SATA cables and the single wires, four standard SATA cables are provided and the single wires are located in the center of four standard SATA cables.—

Please cancel 2-13.

Allowable Subject Matter

2. Claim 1 is allowed.

The following is an examiner's statement of reasons for allowance:

Lucius et al. (U.S. Patent No. 4,343,528) discloses an assembly (10) having an insulating housing (12,14,16,18,20) with contacts (26) retained inside and cables and wires (28,30,32,34,36) having different standards connected to the contacts (26). See Figs. 1-4.

Lee (U.S. Patent No. 6,648,676) discloses an assembly having an insulating housing (2) with contacts (3) retained inside and power wires (5) and signals cables (6) connected to their respective contacts (3). See Figs. 1-6.

Patel et al. (U.S. Patent No. 5,934,942) discloses an assembly having an insulating housing (24) with contacts (42) retained inside, and wires (50) connected to their respective contacts (42). See Figs. 1-4.

However, the references fail to teach, disclose, or suggest, either alone or in combination, the housing comprises a mating portion opposite to the mounting portion, a plurality of passageways is defined in the housing from a rear face of the mounting

portion to the mating portion, an L-shaped receiving space is defined in the mating portion and communicates with the passageways, and the contacts are retained in the passageways and exposed in the L-shaped receiving space, and four standard SATA cables are provided and the single wires are located in the center of four standard SATA cables and in combination with the rest of the limitations of the base claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kurotori et al. (U.S. Patent No. 5,513,995), Fusselman et al. (U.S. Patent No. 6,200,171), Kuo (U.S. Patent No. 6,206,731), and Ko (U.S. Patent No. 6,273,753) disclose cable assemblies having housings, cables, signal wires and contacts.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin A. León whose telephone number is (703) 308-6253. The examiner can normally be reached on Monday - Friday 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (703) 308-2319. The fax phone

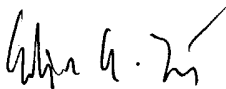
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number for the organization where this application or proceeding is assigned is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



Edwin A. Leon
AU 2833

EAL
January 9, 2004



P. AUSTIN BRADLEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800